

Sensors and Materials

Special Issue on Environmental Sensing

Call for Papers

More than 100 million chemicals have been designed and synthesized worldwide. We must use these chemicals safely and securely considering their effects on the environment. For this purpose, environmental sensing, i.e., sensing to collect environmental information, is particularly important. Environmental sensing includes the trace analysis of chemicals, in situ sensing in the environment, and chemical sensors based on biological materials, such as enzymes, aptamers, and antigen–antibody reactions. In vitro chemical evaluations using cells and microbes as “living” sensors are also included. This special issue focuses on various fields related to environmental sensing from sensing techniques for the environment surrounding living creatures to those for the inside of living creatures possibly affected by the surrounding environment; in other words, sensing techniques collecting environmental information inside and outside living creatures.

Scope:

- In situ analysis of environmental chemicals
- Evaluation of chemical toxicity
- Sensors based on biological materials
- Chemical sensors and biosensors

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Guest Editor: Dr. Hiroshi Aoki (National Institute of Advanced Industrial Science and Technology, AIST)

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(Attention)

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If you have any questions, please feel free to contact the editorial staff at the address below.

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